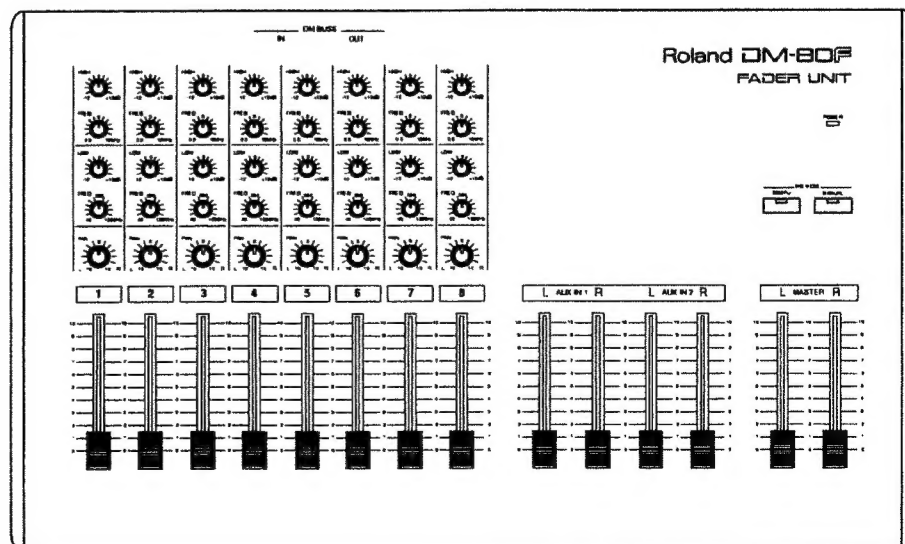


Roland

FADER UNIT

DM-80F

OWNER'S MANUAL



For Germany

Bescheinigung des Herstellers/Importeurs

Hiermit wird bescheinigt, daß der/die/das

.....
ROLAND FADER UNIT DM-80F

(Gerät. Typ. Bezeichnung)

in Übereinstimmung mit den Bestimmungen der

.....
Amtsbl. Vfg 1046/1984

(Amtsblattverfügung)

funk-entstört ist.

Der Deutschen Bundespost wurde das Inverkehrbringen dieses Gerätes angezeigt und die Berechtigung zur Überprüfung der Serie auf Einhaltung der Bestimmungen eingeräumt.

.....
Roland Corporation Osaka/Japan

Name des Herstellers/Importeurs

For the USA

RADIO AND TELEVISION INTERFERENCE

WARNING — This equipment has been verified to comply with the limits for a Class B computing device, pursuant to Subpart J, of Part 15, of FCC rules. Operation with non-certified or non-verified equipment is likely to result in interference to radio and TV reception.

The equipment described in this manual generates and uses radio frequency energy. If it is not installed and used properly, that is, in strict accordance with our instructions, it may cause interference with radio and television reception. This equipment has been tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J, of Part 15, of FCC Rules. These rules are designed to provide reasonable protection against such a interference in a residential installation. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged to try to correct the interference by the following measure:

- Disconnect other devices and their input/output cables one at a time. If the interference stops, it is caused by either the other device or its I/O cable. These devices usually require Roland designated shielded I/O cables. For Roland devices, you can obtain the proper shielded cable from your dealer. For non Roland devices, contact the manufacturer or dealer for assistance.

If your equipment does cause interference to radio or television reception, you can try to correct the interference by using one or more of the following measures.

- Turn the TV or radio antenna until the interference stops.
- Move the equipment to one side or the other of the TV or radio.
- Move the equipment farther away from the TV or radio.
- Plug the equipment into an outlet that is on a different circuit than the TV or radio. (That is, make certain the equipment and the radio or television set are on circuits controlled by different circuit breakers or fuses.)
- Consider installing a rooftop television antenna with coaxial cable lead-in between the antenna and TV. If necessary, you should consult your dealer or an experienced radio/television technician for additional suggestions. You may find helpful the following booklet prepared by the Federal Communications Commission:

"How to Identify and Resolve Radio — TV Interference Problems"

This booklet is available from the U.S. Government Printing Office, Washington, D.C., 20402. Stock No. 004-000-00345-4.

For Canada

CLASS B

NOTICE

This digital apparatus does not exceed the Class B limits for radio noise emissions set out in the Radio Interference Regulations of the Canadian Department of Communications.

CLASSE B

AVIS

Cet appareil numérique ne dépasse pas les limites de la classe B au niveau des émissions de bruits radioélectriques fixés dans le Règlement des signaux parasites par le ministère canadien des Communications.

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INTRODUCTION

Thank you for purchasing the Roland DM-80-F fader unit, a component of the DM-80 hard disk recording system.

Inside the DM-80 is a fully automated 24-bit digital mixer. The mixer includes 8 track inputs, plus 4 auxiliary input channels for incoming mixer feeds, digital or analog. Each input has volume, pan and 2 band EQ, and all signal processing is performed in the digital domain.

The DM-80-F Fader Unit provides physical controls for this mixer. All adjustments to the DM-80-F are immediately transmitted to the DM-80. 24-bit interpolation yields a smooth mix without annoying steps.

In conjunction with Track Manager, up to four DM-80-F Fader Units can be used to produce a 32 track stereo mix.

The DM-80's mixer also includes automation much like that found on traditional consoles. All actions on the fader unit will be recorded by the DM-80's compu mixer. The automated mix can be updated with new values as many times as you wish.

All mix parameters are automated and are available for real time record and update. Each parameter can also be selected for record, update, or manual control. Mix automation is stored with the Project file and automatically loaded with the Project.

FEATURES

Eight channel mixer controller.

Provides physical controls for the DM-80's internal mixer.

Fader, Pan and EQ functions for each input.

Two pairs of auxiliary inputs.

Master output faders

All adjustments to the DM-80-F are immediately transmitted to the DM-80.

All actions on the fader unit are recorded by the compu mixer.

PRECAUTIONS

POWER SUPPLY

Do not connect the DM-80-F to anything other than the DM-80-4 or DM-80-8 rack mount unit or the DM-80-R Remote Unit.

CARE

For everyday cleaning, wipe the unit with a soft dry cloth, or one that as been slightly dampened with water. To remove stubborn dirt use a mild neutral detergent. Afterwards be sure to wipe the unit thoroughly with a soft, dry cloth.

Never use benzene, thinner, alcohol or solvents of any kind to avoid the risk of discoloration or deformation.

OTHER

Do not subject the DM-80-F to strong shocks.

The DM-80-F may produce some heat when operating normally.

Do not subject the unit to temperature extremes (e.g., direct sunlight in an enclosed vehicle). Avoid using or storing the unit in dusty or humid areas or areas that are subject to high vibration levels.

This unit may interfere with radio or television reception. Do not operate in the vicinity of such receivers.

Do not allow objects or liquids of any kind to penetrate the unit. In the event of such an occurrence, discontinue use immediately. Contact qualified service personnel as soon as possible.

Should a malfunction occur (or if you suspect there is a problem) discontinue use immediately. Contact qualified service personnel as soon as possible.

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INSTALLATION

SYSTEM CONFIGURATION

The DM-80 system is available in two versions: the DM-80-4 which contains four tracks and a single 100MB hard disk drive; and the DM-80-8 which contains eight tracks and two 100MB hard disk drives. The term DM-80 is used to mean either of these models, and the DM-80-F can be used to control either version.

The DM-80-F is normally utilized in conjunction with either the DM-80-R Remote Unit or Roland's Track Manager software for the Apple Macintosh computer.

Note: Either the DM-80-R remote or the Track Manager software may be used to control the DM-80, but not both simultaneously.

DM BUSS CONNECTIONS

The Fader Unit is connected between the rack unit and system controller, such as the DM-80-R or Apple Macintosh computer running Track Manager software.

Note: Use the cables packed with the DM-80-4/8 and the DM-80-F. If any other than the above cables are used, damage to the units may occur.

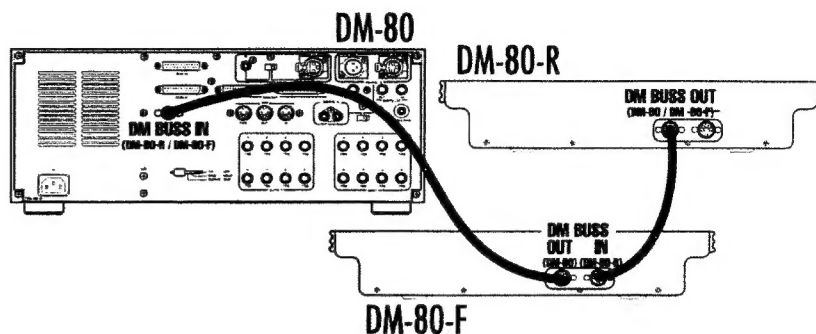
Note: When making connections, be sure the DM-80-4/8 is powered off. Do not apply power until after all connections have been made. If not, the DM-80 system will not function.

Warning: Never disconnect any DM BUSS cable while operating the DM-80 system. If a DM BUSS cable is disconnected and then re-connected, the system will cease functioning. You will need to power off the unit before it can be restarted. If this occurs, all unsaved data will be lost.

Warning: The above conditions also apply to a system being controlled by Track Manager software. Never disconnect any cable between the computer and DM-80 system—whether DM BUSS, MIDI or RS-422—or the system may cease functioning. You will need to power off the computer and DM-80 and restart. If this occurs, all unsaved data will be lost.

CONNECTING THE FADER TO THE RACK UNIT

Connect the cable packed with the DM-80-4/8 to the jack labeled DM Buss Out. Connect the other end of this cable to the jack labeled DM Buss In on the rear panel of the DM-80 rack unit, as shown below.



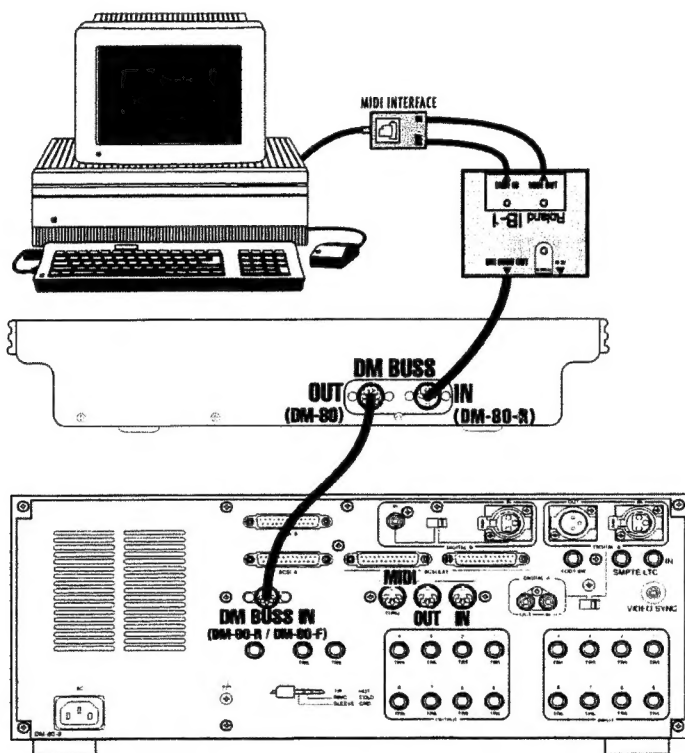
CONNECTING THE DM-80-R REMOTE UNIT

Use the cable supplied with the DM-80-F. Connect the cable between the DM Buss In connector on the fader unit and the DM Buss Out connector on the remote's rear panel, see diagram above.

CONNECTING ROLAND TRACK MANAGER SOFTWARE

Track Manager duplicates the functions of the remote unit on the Apple Macintosh screen.

Follow the diagram below. Using the cable supplied with the DM-80-F, connect the DM Buss In connector on the fader unit to the DM Buss Out connector on an IB-1 Interface Box. Connect the MIDI OUT of the IB-1 to the MIDI IN of your Macintosh MIDI interface. Connect the MIDI OUT of the MIDI interface to the MIDI IN of the IB-1.



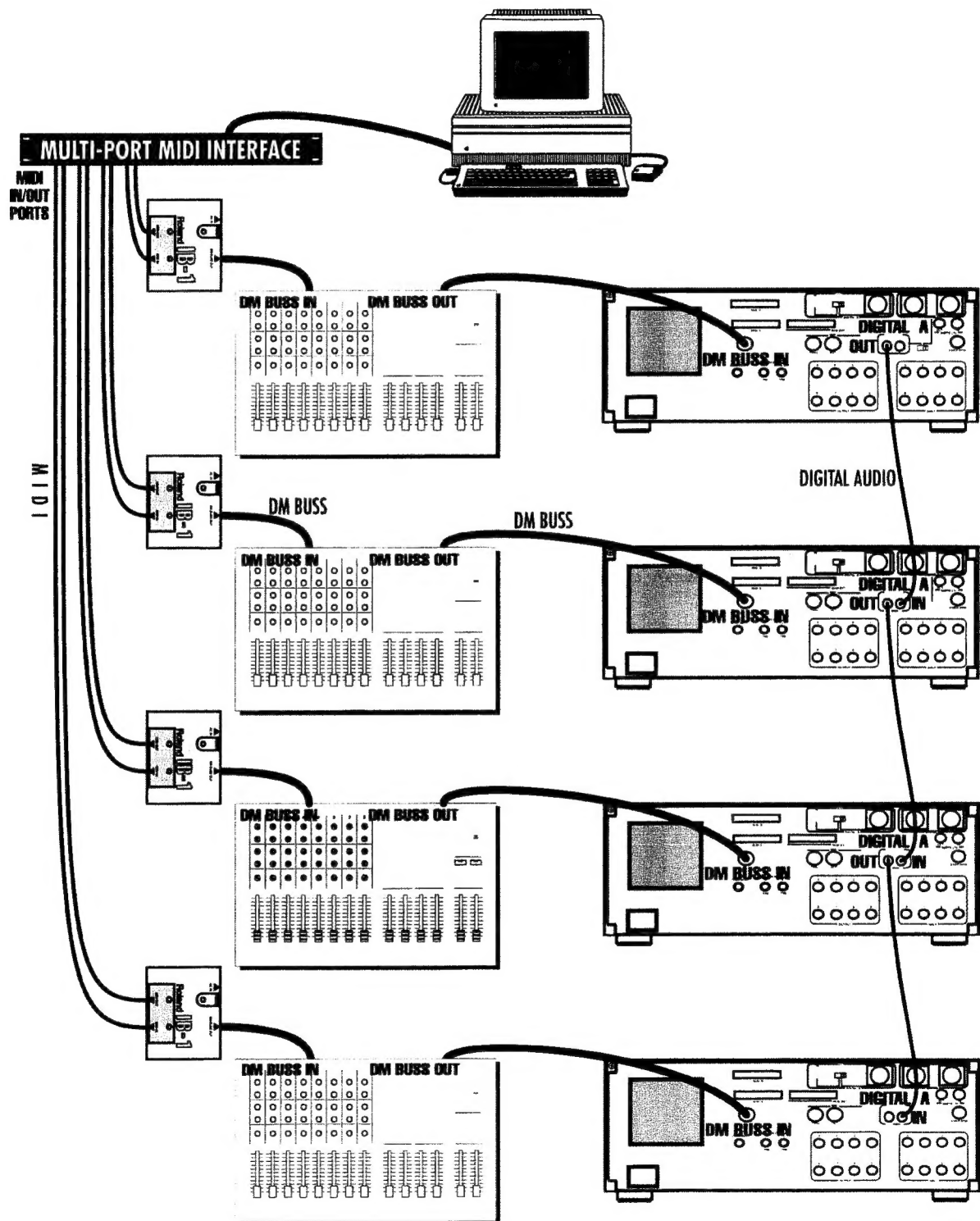
USING MORE THAN ONE FADER UNIT

Up to four DM-80 rack units can be operated simultaneously as one system with up to 32 tracks, controlled from the Track Manager software. Up to four DM-80-F units can also be employed as the console for this large system.

CASCADING AUDIO THROUGH MULTIPLE UNITS

When using more than one DM-80, you can utilize the internal mixer's Aux Inputs to cascade several units into a single stereo mix, as shown in the diagram on the next page. The cascaded unit will appear on the AUX faders. Refer to the DM-80-4/8 manual for more information.

*FOLLOW THE DIAGRAM BELOW
WHEN CONNECTING SEVERAL UNITS TOGETHER:*



CONTROLS AND INDICATORS

EQ SECTION

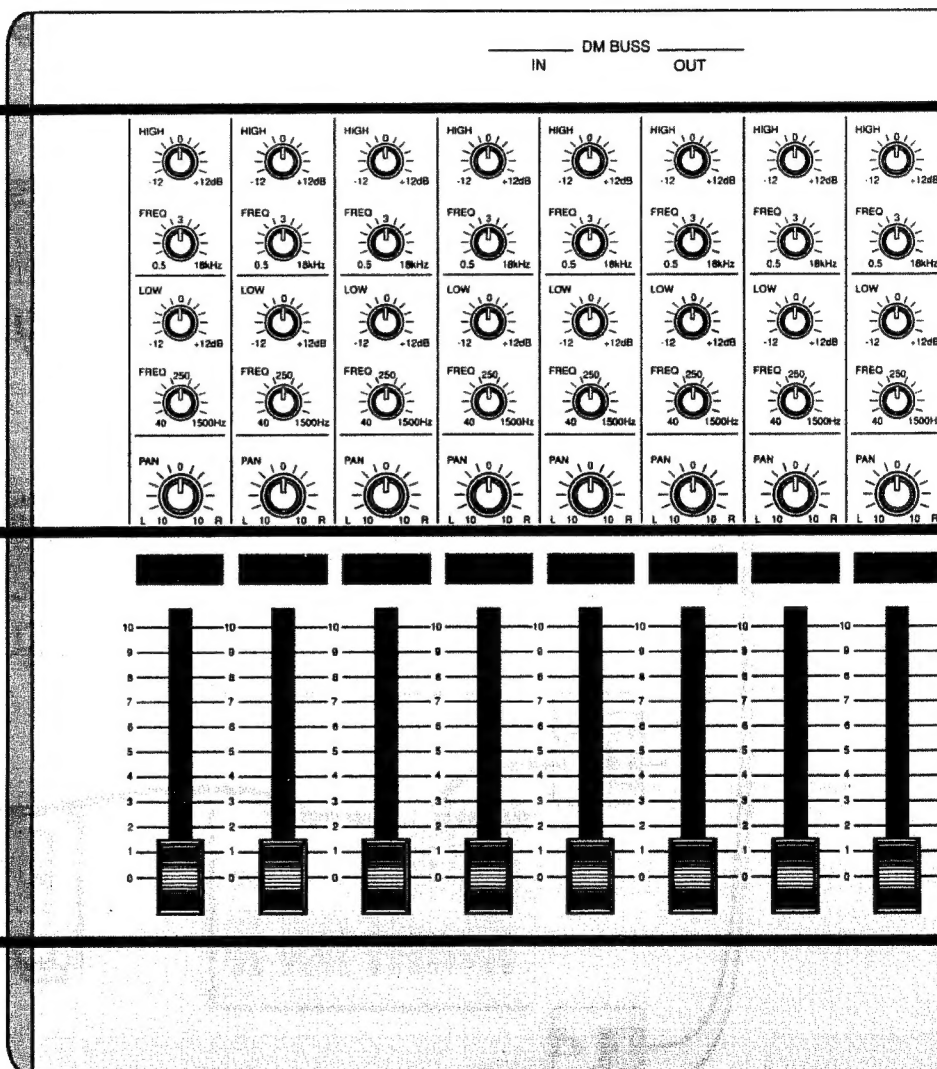
This section contains the settings for the High and Low frequency equalizers on each input. You can set the EQ corner frequency and level here.

PAN CONTROLS

These are the Pan settings for all eight input channels, for the DM-80's stereo master mix. The Pan controls do not affect the DM-80's individual outputs.

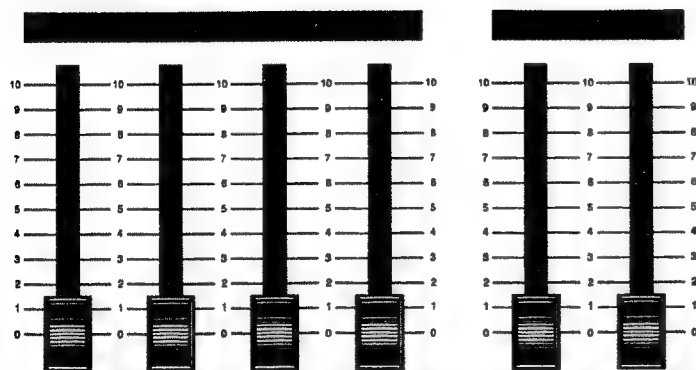
INPUT FADERS

These are the Level settings for all eight input channels.



Roland DM-80F FADER UNIT

POWER
☐



MIX MODE SWITCHES

These select the DM-80's mix automation mode.

COMPU

In Compu Mixer mode, the mixer settings are automated. Mixes can be recorded, played back, updated, and edited in this mode.

MANUAL

In manual mode, the mixer settings are static. Programmed mix settings are ignored, and the output mix reflects the actual control positions on Fader unit.

AUX/MASTER SECTION

This displays the mixer Master Output levels as well as levels for the two pairs of auxiliary Inputs.

COMPU MIXER AUTOMATION

There are a large number of Compu mixer automation functions available in the DM-80 system. Most of these are controlled from the DM-80-R Remote control or Track Manager software.

SELECTING AUTOMATION

ALL ON OR OFF

The Mix Mode switches select the DM-80's mix automation mode; Compu or Manual. The LEDs on these switches light according to the current mode.

INDIVIDUAL TRACKS

When Compu mode is on, automation can be turned on and off for each track individually from the DM-80-R controller or Track Manager software.

The DM-80-R will display the automation status when in a Compu Mix screen. The Track Status Select indicators will display for each track:

- Green LED: Compu Mix Play
- Red LED: Compu Mix Recording
- No LED: Manual

See the DM-80-R Remote or Track Manager manuals for more information.

RECORDING MIXER SETTINGS

The following procedure uses the DM-80-R Remote. If you are using Track Manager as a controller, the procedure is similar. Please consult the Track Manager or DM-80-R manual for specific information.

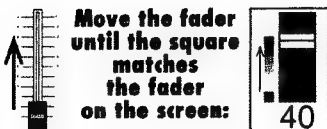
- On the Fader unit, press **COMPU**.
- On the Remote, press **MIXER**.
- Select track(s) for recording by pressing the appropriate Track Status Select keys. The Track Status LEDs will flash red.

Caution: Be sure you are in a Compu Mix screen with mixer controls visible in the display. Otherwise the Track Status Select keys will choose tracks for sound playback.

- Press **REC** then **PLAY**. The Project plays back.
- Move the faders until the square mark indicating the physical position matches the slider on the display. When matched, the mark will disappear and record updating will start for that control.

Note: EQ settings start recording immediately.

- When finished, press **STOP**.



Move the fader until the square matches the fader on the screen:

UPGRADES AND SERVICE

SYSTEM SOFTWARE

Roland will periodically release new versions of system software to fix problems or add new features. When software upgrade ROMs are available, you will need to bring your unit to a Roland Authorized Service Center for installation.

RETURNING FOR SERVICE

The DM-80-F has no user-serviceable parts. Attempts by unauthorized personnel to repair or modify the DM-80-F will void the warranty. If you have trouble with the unit, you must bring or send it to an authorized Roland Service center. Consult your dealer or Roland for the nearest service center.

Use the original packing material that came with the DM-80-F to ship the unit. If the original packaging is not available, use a reinforced, sealable, foam-lined case.

TROUBLESHOOTING

IF THE DM-80 SYSTEM DOES NOT FUNCTION

- Check that the DM BUSS cables and connections are in the proper order.
- Turn off the power and remake the DM BUSS connections.

Warning: Never disconnect any DM BUSS cable while operating the DM-80 system. If a DM BUSS cable is disconnected and then re-connected, the system will cease functioning. You will need to power off the unit before it can be restarted. If this occurs, all unsaved data will be lost.

The above conditions also apply to a system being controlled by Track Manager software. Never disconnect any cable between the computer and DM-80 system—whether DM BUSS, MIDI or RS-422—or the system may cease functioning. You will need to power off the computer and DM-80 and restart. If this occurs, all unsaved data will be lost.

MIDI Implementation

The implementation chart above and Implementation itself are intended to describe operation when the DM - 80 - F is connected to IB - 1 to serve as an MIDI controller. Description on DM - 80 - F operation when it is connected to the DM - 80 - 4/8 is not covered.

The IB-1 must be fed power through an AC adapter when used in conjunction with the DM-80-F. The direction "turn on the IB-1" in this implementation refers to connection of the AC adapter to AC outlet.

1. Setting MIDI channel

On power-up, the MIDI channel of the fader is set to 16. To change the default setting, first locate the desired channel number in the table below and set the corresponding fader as described. While holding down MANUAL and COMPU, turn on the power switch on the unit.

Fader 1	at up position	Channel 1
Fader 2	at up position	Channel 2
Fader 3	at up position	Channel 3
Fader 4	at up position	Channel 4
Fader 5	at up position	Channel 5
Fader 6	at up position	Channel 6
Fader 7	at up position	Channel 7
Fader 8	at up position	Channel 8
Fader AUX1	L at up position	Channel 9
Fader AUX1	R at up position	Channel 10
Fader AUX2	L at up position	Channel 11
Fader AUX2	R at up position	Channel 12
Fader MASTER	L at up position	Channel 13
Fader MASTER	R at up position	Channel 14

If two or more faders are set at up position, the highest channel number has the priority.

If no fader is set at up position, channel 15 remains effective.

2. Transmitted Data

■ Channel Voice Message

- **Control change**

<u>Status</u>	<u>Second</u>	<u>Third</u>
BnH	ccH	vvH

[illegible]

cc = Control Number : See * below.

vv = Value : 00H - 7FH (0 - 127)

* Controller	Control Change Number	MIDI Standard
FADER 1	10H (16)	General purpose controller - 1 MSB
FADER 2	11H (17)	General purpose controller - 2 MSB
FADER 3	12H (18)	General purpose controller - 3 MSB
FADER 4	13H (19)	General purpose controller - 4 MSB
FADER 5	14H (20)	Undefined
FADER 6	15H (21)	Undefined
FADER 7	16H (22)	Undefined
FADER 8	17H (23)	Undefined
PAN 1	18H (24)	Undefined
PAN 2	19H (25)	Undefined
PAN 3	1AH (26)	Undefined
PAN 4	1BH (27)	Undefined
PAN 5	1CH (28)	Undefined
PAN 6	1DH (29)	Undefined
PAN 7	1EH (30)	Undefined
PAN 8	1FH (31)	Undefined
LOEQ GAIN 1	20H (32)	General purpose controller - 1 LSB
LOEQ GAIN 2	21H (33)	General purpose controller - 2 LSB
LOEQ GAIN 3	22H (34)	General purpose controller - 3 LSB
LOEQ GAIN 4	23H (35)	General purpose controller - 4 MSB
LOEQ GAIN 5	24H (36)	Undefined
LOEQ GAIN 6	25H (37)	Undefined
LOEQ GAIN 7	26H (38)	Undefined
LOEQ GAIN 8	27H (39)	Undefined
HIEQ GAIN 1	28H (40)	Undefined
HIEQ GAIN 2	29H (41)	Undefined
HIEQ GAIN 3	2AH (42)	Undefined
HIEQ GAIN 4	2BH (43)	Undefined

HIEQ GAIN 5	2CH (44)	Undefined
HIEQ GAIN 6	2DH (45)	Undefined
HIEQ GAIN 7	2EH (46)	Undefined
HIEQ GAIN 8	2FH (47)	Undefined
AUX IN 1L	30H (48)	Undefined
AUX IN 1R	31H (49)	Undefined
AUX IN 2L	32H (50)	Undefined
AUX IN 2R	33H (51)	Undefined
MASTER L	34H (52)	Undefined
MASTER R	35H (53)	Undefined
LOBQ FREQ 1	46H (70)	Undefined
LOBQ FREQ 2	47H (71)	Undefined
LOBQ FREQ 3	48H (72)	Undefined
LOBQ FREQ 4	49H (73)	Undefined
LOBQ FREQ 5	4AH (74)	Undefined
LOBQ FREQ 6	4BH (75)	Undefined
LOBQ FREQ 7	4CH (76)	Undefined
LOBQ FREQ 8	4DH (77)	Undefined
HIEQ FREQ 1	4EH (78)	Undefined
HIEQ FREQ 2	4FH (79)	Undefined
HIEQ FREQ 3	50H (80)	General purpose controller - 5
HIEQ FREQ 4	51H (81)	General purpose controller - 6
HIEQ FREQ 5	52H (82)	General purpose controller - 7
HIEQ FREQ 6	53H (83)	General purpose controller - 8
HIEQ FREQ 7	54H (84)	Undefined
HIEQ FREQ 8	55H (85)	Undefined
MANUAL	56H (86)	Undefined
COMPU	57H (87)	Undefined

When the MANUAL switch is pressed, the unit sends Value = 127.

When the MANUAL switch is released, the unit sends Value = 0.

When the MANUAL switch is pressed, the unit sends the position data of all the potentiometers.

When the COMPU switch is pressed, the unit sends Value = 127.

When the COMPU switch is released, the sends Value = 0.

Function ***		Transmitted	Recognized	Remarks
Basic Channel	Default Changed	16 1 - 16		
Mode	Default Messages Altered	Mode 3 × *****		
Note Number	True Voice	× *****		
Velocity	Note ON Note OFF	× ×		
After Touch	Key's Ch's	× ×		
Pitch Bender		×		
Control Change	16 - 23 24 - 31 32 - 39 40 - 47 48 - 51 52 - 53 70 - 77 78 - 85 86 87	○ FADER 1 - 8 ○ PAN 1 - 8 ○ LOEQ GAIN 1 - 8 ○ HIEQ GAIN 1 - 8 ○ AUX IN 1L, 1R, 2L, 2R ○ MASTER L,R ○ LOEQ FREQ 1 - 8 ○ HIEQ FREQ 1 - 8 ○ MANUAL SW ○ COMPU SW		
Prog Change	True #	× *****		
System Exclusive		×		
System Common	Song Pos Song Sel Tune	× × ×		
System Real Time	Clock Commands	× ×		
Aux Messages	Local ON/OFF All Notes OFF Active Sense Reset	× × × ×		
Notes				

Mode 1 : OMNI ON, POLY
Mode 3 : OMNI OFF, POLY

Mode 2 : OMNI ON, MONO
Mode 4 : OMNI OFF, MONO

○ : Yes
× : No

SPECIFICATIONS

GENERAL

REAR PANEL

DM Buss In jack

DM Buss Out jack

DIMENSIONS

430(W) x 268(D) x 68(H)mm

16¹⁵/₁₆" x 10⁵/₁₆" x 2¹¹/₁₆"

WEIGHT

2.93 Kg, 6.47 lbs

INCLUDED ITEMS

Owner's Manual

Connecting Cable (1m)

OPTIONS

Remote Controller (DM-80-R)

Track Manager Software for Apple Macintosh (DM-80-S)

Interface Box (IB-1)

Rack Mounting Angles, (RAD-80)

In the interest of product improvement, the specifications of this unit are subject to change without notice.

Information

● When you need repair service, call your local Roland Service Station or the authorized Roland distributor in your country as shown below.

U. S. A.

Roland Corp US
7200 Dominion Circle
Los Angeles, CA. 90040 - 3647
U. S. A.
☎ (213)685 - 5141

CANADA

Roland Canada Music Ltd.
(Head Office)
5480 Parkwood
Richmond B. C., V6V 2M4
CANADA
☎ (604)270 - 6626

Roland Canada Music Ltd.
9425 Transcanadienne
Service Rd. N.,
St Laurent, Quebec H4S 1V3
CANADA
☎ (514)335 - 2009

Roland Canada Music Ltd.
346 Watline Avenue,
Mississauga, Ontario L4Z 1X2
CANADA
☎ (416)890 - 6488

AUSTRALIA

Roland Corporation
(Australia) Pty. Ltd.
(Head Office)
38 Campbell Avenue
Dee Why West. NSW 2099
AUSTRALIA
☎ (02)982 - 8266

Roland Corporation
(Australia) Pty. Ltd.
(Melbourne Office)
50 Garden Street
South Yarra, Victoria 3141
AUSTRALIA
☎ (03)241 - 1254

NEW ZEALAND

Roland Corporation (NZ) Ltd.
97 Mt. Eden Road, Mt. Eden,
Auckland 3
NEW ZEALAND
☎ (09)3098 - 715

UNITED KINGDOM

Roland(UK)Ltd.
Rye Close
Ancells Business Park
Fleet
Hampshire GU13 8UY
UNITED KINGDOM
☎ 0252 - 816181

GERMANY

Roland Elektronische
Musikinstrumente
Handels-gesellschaft mbH.
Oststrasse 96,
2000 Norderstedt
GERMANY
☎ 040/52 60 090

BELGIUM/HOLLAND/LUXEMBOURG

Roland Benelux N. V.
Houtstraat 1
B - 2260 Oevel - Westerlo
BELGIUM
☎ (0032)14 - 575811

DENMARK

Roland Scandinavia as
Langebrogade 6
Box 1937
DK - 1023 Copenhagen K.
DENMARK
☎ 31 - 95 31 11

SWEDEN

Roland Scandinavia as
DanvikCenter 28 A, 2 tr.
S - 131 30 Nacka,
SWEDEN
☎ 08 - 702 00 20

NORWAY

Roland Scandinavia
Avd. Norge
Lilleakerveien 2
Postboks 95 Lilleaker
N - 0216 Oslo 2
NORWAY
☎ 02 - 73 00 74

FINLAND

Fazer Musik Inc.
Länsituulentie
POB 169
SF - 02101 Espoo
FINLAND
☎ 0 - 43 50 11

ITALY

Roland Italy S. p. A.
Viale delle Industrie 8
20020 ARESE MILANO
ITALY
☎ 02 - 93581311

SPAIN

Roland Electronics
de España, S. A.
Calle Bolivia 239
08020 Barcelona
SPAIN
☎ 93 - 308 - 1000

SWITZERLAND

Musitronic AG
Gerberstrasse 5, CH - 4410
Liestal
SWITZERLAND
☎ 061/921 16 15

Roland CK (Switzerland) AG
Hauptstrasse 21/Postfach
CH - 4456 Tenniken
SWITZERLAND
☎ 061/98 60 55
Repair Service by Musitronic AG

FRANCE

Musikengro
102 Avenue Jean - Jaures
69007 Lyon Cedex 07
FRANCE
☎ (7)858 - 54 60

Musikengro
(Paris Office)
Centre Region Parisienne
41 rue Charles - Fourier,
94400 Vitry s/Seine
FRANCE
☎ (1)4680 86 62

AUSTRIA

E. Dematte & Co.
Neu - Rum Siemens - Strasse 4
A - 6021 Innsbruck Box 591
AUSTRIA
☎ (0512)63 451

GREECE

V. Dimitriadis & Co. Ltd.
2 Phidiou Str., GR 106 78
Athens
GREECE
☎ 1 - 3620130

PORTUGAL

Casa Caius Instrumentos
Musicais Lda.
Rua de Santa Catarina 131
Porto
PORTUGAL
☎ 02 - 38 44 56

HUNGARY

Intermusica Ltd.
Warehouse Area 'DEPO'
Budapest. P.O. Box 3,
2045 Torokbalint
HUNGARY
☎ (1)1868905

ISRAEL

D.J.A. International Ltd.
25 Pinsker St.,
Tel Aviv
ISRAEL
☎ 03 - 283015

BRAZIL

FORESIGHT Corporation
R. Alvarenga 591
CEP - 05509 Sao Paulo
BRAZIL
FAX: (011)210 - 0286

HONG KONG

Tom Lee Music Co., Ltd.
Service Division
22 - 32 Pun Shan Street,
Tsuen Wan,
New Territories,
HONG KONG
☎ 415 - 0911

SINGAPORE

Swee Lee Company
Bras Basah Complex #03 - 23
Singapore 0178
SINGAPORE
☎ 3367886

THAILAND

Theera Music Co., Ltd.
330 Verng Nakorn Kasem, Soi 2
Bangkok 10100,
THAILAND
☎ 2248821

MALAYSIA

Syarikat Bentley
No.142, Jalan Bukit Bintang
55100 Kuala Lumpur
MALAYSIA
☎ 2421288

INDONESIA

PT Galestra Inti
Kompleks Perkantoran
Duta Merlin Blok C/59
Jl. Gajah mada No.3 - 5
Jakarta 10130
INDONESIA
☎ (021) 354604, 354606

TURKEY

Barkat Sanayl ve Ticaret
Siraselviler Cad. 86/6 Taksim
Istanbul
TURKEY
☎ 149 93 24

CYPRUS

Radex Sound Equipment Ltd.
17 Panteli Katelari Str.
P.O.Box 2046, Nicosia
CYPRUS
☎ 453426, 466423

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